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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/740,913	12/20/2000	Masaya Wajima	36856.390	5944

7590 11/27/2001

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EXAMINER

BUDD, MARK OSBORNE

ART UNIT	PAPER NUMBER
2834	

DATE MAILED: 11/27/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

Summary	Application No 740913	Applicant(s) Wajima et al
	Examiner M. Budd	Group Art Unit 2834

Office of this communication appears on the cover sheet beneath the correspondence address—

STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE
—
-ICATION.

Time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the time period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If the time period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). A reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

Responsive to communication(s) filed on _____
 This action is FINAL.
 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 1 1; 453 O.G. 213.

Disposition of Claims

Claim(s) 1-21 is/are pending in the application.
 Of the above claim(s) _____ is/are withdrawn from consideration.
 Claim(s) _____ is/are allowed.
 Claim(s) 1-21 is/are rejected.
 Claim(s) _____ is/are objected to.
 Claim(s) _____ are subject to restriction or election requirement

Application Papers

The proposed drawing correction, filed on _____ is approved disapproved.
 The drawing(s) filed on _____ is/are objected to by the Examiner
 The specification is objected to by the Examiner.
 The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).

All Some* None of the:

Certified copies of the priority documents have been received.
 Certified copies of the priority documents have been received in Application No. _____
 Copies of the certified copies of the priority documents have been received
 in this national stage application from the International Bureau (PCT Rule 17.2(a))

*Certified copies not received: _____

Attachment(s)

Information Disclosure Statement(s), PTO-1449, Paper No(s). 4 (12-20-00) Interview Summary, PTO-413
 Notice of Reference(s) Cited, PTO-892 Notice of Informal Patent Application, PTO-152
 Notice of Draftsperson's Patent Drawing Review, PTO-948 Other _____

Office Action Summary

Art Unit: 2834

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

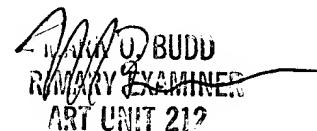
Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuroda, Wajima or Sugiyama in view of Tsuji or Onishi.

Kuroda, Wajima and Sugiyama teach the piezoelectric resonator except they do not use laminated substrates with integral capacitors. However, Tsuji and Onishi teach mounting piezoelectric resonators on substrates provided as laminated layers incorporating circuit elements in an integral construction. Thus, to provide an very compact self contained piezo resonator as shown by Tsuji or Onishi it would have been obvious to one of ordinary skill in the art to use laminated substrates with Kuroda, Wajima or Sugiyama. Note that once the electric circuit is designed. The physical arachitecture of the ceramic piezo elements and capacitor electrodes is dictated and thus providing that structure would have been obvious to one of ordinary skill in the art.

Further cited of interest are Yachi and Koyama.

Budd/ds

11/24/01


MARK W. BUDD
PRIMARY EXAMINER
ART UNIT 212